IFWO

RAW SEQUENCE LISTING   DATE: 09/28/2004
PATENT APPLICATION: US/10/764,415A   TIME: 10:57:41

Input Set : A:\P11073us seq list updated.ST25.txt
Output Set: N:\CRF4\09282004\J764415A.raw

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   5 <110> APPLICANT: Lorantis Ltd.
   9 <120> TITLE OF INVENTION: Modulations of Notch signalling for use in Immunotherapy
  13 <130> FILE REFERENCE: P011073US
  17 <140> CURRENT APPLICATION NUMBER: 10/764,415A
C--> 19 <141> CURRENT FILING DATE: 2004-01-23
  23 <150> PRIOR APPLICATION NUMBER: GB0118153.6
  25 <151> PRIOR FILING DATE: 2001-07-01
  29 <150> PRIOR APPLICATION NUMBER: GB0207930.9
  31 <151> PRIOR FILING DATE: 2002-04-05
  35 <150> PRIOR APPLICATION NUMBER: GB0212283.6
  37 <151> PRIOR FILING DATE: 2002-05-28
  41 <150> PRIOR APPLICATION NUMBER: GB0212282.8
  43 <151> PRIOR FILING DATE: 2002-05-28
  47 <160> NUMBER OF SEQ ID NOS: 40
  51 <170> SOFTWARE: PatentIn version 3.0
  55 <210> SEQ ID NO: 1
  57 <211> LENGTH: 43
  59 <212> TYPE: PRT
  61 <213> ORGANISM: Artificial
  65 <220> FEATURE:
  67 <223> OTHER INFORMATION: DSL domain consensus
  69 <220> FEATURE:
  71 <221> NAME/KEY: MISC_FEATURE
  73 <222> LOCATION: (2)..(9)
  75 <223> OTHER INFORMATION: N is any amino acid residue
  79 <220> FEATURE:
  81 <221> NAME/KEY: MISC_FEATURE
  83 <222> LOCATION: (11)..(13)
  85 <223> OTHER INFORMATION: N is any amino acid residue
  89 <220> FEATURE:
  91 <221> NAME/KEY: MISC_FEATURE
  93 <222> LOCATION: (15)..(25)
  95 <223> OTHER INFORMATION: N is any amino acid residue
  99 <220> FEATURE:
 101 <221> NAME/KEY: MISC_FEATURE
 103 <222> LOCATION: (27)..(33)
 105 <223> OTHER INFORMATION: N is any amino acid residue
 109 <220> FEATURE:
 111 <221> NAME/KEY: MISC_FEATURE
 113 <222> LOCATION: (35)..(42)
 115 <223> OTHER INFORMATION: N is any amino acid residue
 119 <400> SEQUENCE: 1
W--> 121 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa
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Does Not Comply
Corrected Diskette Needed
(PJ. S-6)

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```
122 1               5                10               15
124 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
125             20               25               30
127 Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
128         35                40
130 <210> SEQ ID NO: 2
132 <211> LENGTH: 43
134 <212> TYPE: PRT
136 <213> ORGANISM: Artificial
140 <220> FEATURE:
142 <223> OTHER INFORMATION: DSL consensus
144 <220> FEATURE:
146 <221> NAME/KEY: MISC_FEATURE
148 <222> LOCATION: (2)..(4)
150 <223> OTHER INFORMATION: X is any amino acid residue
154 <220> FEATURE:
156 <221> NAME/KEY: MISC_FEATURE
158 <222> LOCATION: (5)..(6)
160 <223> OTHER INFORMATION: X is any aromatic amino acid residue
164 <220> FEATURE:
166 <221> NAME/KEY: MISC_FEATURE
168 <222> LOCATION: (7)..(9)
170 <223> OTHER INFORMATION: X is any amino acid residue
174 <220> FEATURE:
176 <221> NAME/KEY: MISC_FEATURE
178 <222> LOCATION: (11)..(13)
180 <223> OTHER INFORMATION: X is any amino acid residue
184 <220> FEATURE:
186 <221> NAME/KEY: MISC_FEATURE
188 <222> LOCATION: (15)..(15)
190 <223> OTHER INFORMATION: X is any basic amino acid residue
194 <220> FEATURE:
196 <221> NAME/KEY: MISC_FEATURE
198 <222> LOCATION: (16)..(16)
200 <223> OTHER INFORMATION: X is any non polar amino acid residue
204 <220> FEATURE:
206 <221> NAME/KEY: MISC_FEATURE
208 <222> LOCATION: (17)..(17)
210 <223> OTHER INFORMATION: X is any basic amino acid residue
214 <220> FEATURE:
216 <221> NAME/KEY: MISC_FEATURE
218 <222> LOCATION: (18)..(19)
220 <223> OTHER INFORMATION: X is Asp, Asn, Glu or Gln
224 <220> FEATURE:
226 <221> NAME/KEY: MISC_FEATURE
228 <222> LOCATION: (20)..(20)
230 <223> OTHER INFORMATION: X is any amino acid residue
234 <220> FEATURE:
236 <221> NAME/KEY: MISC_FEATURE
```

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360 <223> OTHER INFORMATION: X is any amino acid residue
364 <400> SEQUENCE: 2
```
W--> 366 **Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa**
```
367 1               5                  10                  15
369 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
370             20                 25                 30
372 Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
373          35                 40
375 <210> SEQ ID NO: 3
377 <211> LENGTH: 43
379 <212> TYPE: PRT
381 <213> ORGANISM: Artificial
385 <220> FEATURE:
387 <223> OTHER INFORMATION: DSL consensus
389 <220> FEATURE:
391 <221> NAME/KEY: misc_feature
393 <222> LOCATION: (2)..(4)
395 <223> OTHER INFORMATION: X is any amino acid residue
399 <220> FEATURE:
401 <221> NAME/KEY: misc_feature
403 <222> LOCATION: (7)..(9)
405 <223> OTHER INFORMATION: X is any amino acid residue
409 <220> FEATURE:
411 <221> NAME/KEY: misc_feature
413 <222> LOCATION: (11)..(13)
415 <223> OTHER INFORMATION: X is any amino acid residue
419 <220> FEATURE:
421 <221> NAME/KEY: misc_feature
423 <222> LOCATION: (18)..(18)
425 <223> OTHER INFORMATION: X is either aspartic acid or asparagine
429 <220> FEATURE:
431 <221> NAME/KEY: misc_feature
433 <222> LOCATION: (20)..(20)
435 <223> OTHER INFORMATION: X is any amino acid residue
439 <220> FEATURE:
441 <221> NAME/KEY: misc_feature
443 <222> LOCATION: (24)..(25)
445 <223> OTHER INFORMATION: X is any amino acid residue
449 <220> FEATURE:
451 <221> NAME/KEY: misc_feature
453 <222> LOCATION: (27)..(29)
455 <223> OTHER INFORMATION: X is any amino acid residue
459 <220> FEATURE:
461 <221> NAME/KEY: misc_feature
463 <222> LOCATION: (31)..(33)
465 <223> OTHER INFORMATION: X is any amino acid residue
469 <220> FEATURE:
471 <221> NAME/KEY: misc_feature
473 <222> LOCATION: (35)..(36)
```

Input Set : **A:\P11073us seq list updated.ST25.txt**
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```
475 <223> OTHER INFORMATION: X is any amino acid residue
479 <220> FEATURE:
481 <221> NAME/KEY: misc_feature
483 <222> LOCATION: (39)..(39)
485 <223> OTHER INFORMATION: X is any amino acid residue
489 <220> FEATURE:
491 <221> NAME/KEY: misc_feature
493 <222> LOCATION: (40)..(42)
495 <223> OTHER INFORMATION: X is any amino acid residue
499 <400> SEQUENCE: 3
```

W--> 501 Cys Xaa Xaa Xaa Tyr Tyr Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Arg Pro
```
502 1               5                   10                  15
504 Arg Xaa Asp Xaa Phe Gly His Xaa Xaa Cys Xaa Xaa Xaa Gly Xaa Xaa
505             20                  25                  30
507 Xaa Cys Xaa Xaa Gly Trp Xaa Gly Xaa Xaa Cys
508         35                  40
510 <210> SEQ ID NO: 4
512 <211> LENGTH: 175
514 <212> TYPE: PRT
516 <213> ORGANISM: Artificial
520 <220> FEATURE:
522 <223> OTHER INFORMATION: EGF-like domain
524 <220> FEATURE:
526 <221> NAME/KEY: MISC_FEATURE
528 <222> LOCATION: (1)..(4)
530 <223> OTHER INFORMATION: X is any amino acid
534 <220> FEATURE:
536 <221> NAME/KEY: MISC_FEATURE
538 <222> LOCATION: (6)..(54)
540 <223> OTHER INFORMATION: X is any amino acid
544 <220> FEATURE:
546 <221> NAME/KEY: VARIANT
548 <222> LOCATION: (6)..(54)
550 <223> OTHER INFORMATION: Any of residues 6 -52 may be present or absent
554 <220> FEATURE:
556 <221> NAME/KEY: MISC_FEATURE
558 <222> LOCATION: (54)..(66)
560 <223> OTHER INFORMATION: X is any amino acid
564 <220> FEATURE:
566 <221> NAME/KEY: VARIANT
568 <222> LOCATION: (57)..(66)
570 <223> OTHER INFORMATION: Any of residues 57-66 may be present or absent
574 <220> FEATURE:
576 <221> NAME/KEY: MISC_FEATURE
578 <222> LOCATION: (68)..(137)
580 <223> OTHER INFORMATION: X is any amino acid
584 <220> FEATURE:
586 <221> NAME/KEY: VARIANT
588 <222> LOCATION: (69)..(137)
```

Handwritten annotation: CYS is at location 54. Pls see page 6.

Handwritten annotation: The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

<400> 4

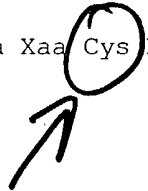Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1   5   10   15

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
        20   25   30

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
    35   40   45

Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
    50   55   60

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 09/28/2004
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,3,4,5,6,7,8,9,11,12,13,15,16,17,18,19,20,21,22,23,24,25
Seq#:1; Xaa Pos. 27,28,29,30,31,32,33,35,36,37,38,39,40,41,42
Seq#:2; Xaa Pos. 2,3,4,5,6,7,8,9,11,12,13,15,16,17,18,19,20,21,22,23,24,26
Seq#:2; Xaa Pos. 27,28,29,30,31,32,33,35,36,37,38,39,40,41,42
Seq#:3; Xaa Pos. 2,3,4,7,8,9,11,12,13,18,20,24,25,27,28,29,31,32,33,35,36
Seq#:3; Xaa Pos. 39,41,42
Seq#:4; Xaa Pos. 1,2,3,4,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23
Seq#:4; Xaa Pos. 24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42
Seq#:4; Xaa Pos. 43,44,45,46,47,48,49,50,51,52,53,55,56,57,58,59,60,61,62
Seq#:4; Xaa Pos. 63,64,65,66,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82
Seq#:4; Xaa Pos. 83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101
Seq#:4; Xaa Pos. 102,103,104,105,106,107,108,109,110,111,112,113,114,115
Seq#:4; Xaa Pos. 116,117,118,119,120,121,122,123,124,125,126,127,128,129
Seq#:4; Xaa Pos. 130,131,132,133,134,135,136,137,139,140,141,142,143,144
Seq#:4; Xaa Pos. 146,147,150,151,152,153,154,155,156,157,158,159,160,161
Seq#:4; Xaa Pos. 162,163,164,165,166,167,168,169,170,172,173,175
Seq#:39; Xaa Pos. 891

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17

VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/764,415A**

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```
L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
M:341 Repeated in SeqNo=1
L:366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
M:341 Repeated in SeqNo=2
L:501 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
M:341 Repeated in SeqNo=3
L:667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
M:341 Repeated in SeqNo=4
L:2565 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:880
```